

Laucks

Testing Laboratories, Inc.

940 South Harney Street, Seattle, Washington 98108 (206) 767-5060

Chemistry, Microbiology, and Technical Services



Certificate

CLIENT Alaskan Copper Works
P.O. Box 3546
Seattle, WA 98124

LABORATORY NO. 88045

DATE Jan. 17, 1985

PO #A-4715

REPORT ON WATER

SAMPLE
IDENTIFICATION

Submitted 1/9/85 and identified as shown below:

TESTS PERFORMED
AND RESULTS:

- 1) Metro Waste Discharge 10 # 3200 Dec.
- 2) Metro Waste Discharge 10 # 3200 Jan

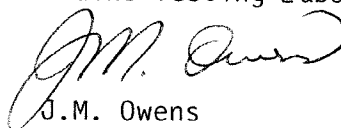
	<u>1</u>	<u>2</u>	<u>Blank</u>
	<u>parts per million (mg/L)</u>		
Zinc	0.019	0.025	L/0.005
Chromium	0.71	1.3	L/0.005
Copper	0.36	0.53	L/0.005
Nickel	0.64	1.2	L/0.01

Key

L/ = less than

Respectfully submitted,

Laucks Testing Laboratories, Inc.


J.M. Owens

JMO:veg



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AKC-0015810

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APPENDIX A

Replicate Quality Control Report

<u>Sample</u>	<u>Analyte</u>	<u>Replicate 1</u>	<u>Replicate 2</u>	<u>% Relative Error</u>
1	Chromium	0.71	0.68	4.
1	Zinc	0.019	0.018	(0.001)
1	Copper	0.36	0.35	3.
1	Nickel	0.64	0.65	2.

APPENDIX B

Spike Quality Control Report

<u>Sample</u>	<u>Analyte</u>	<u>Sample Found</u>	<u>Spike Level</u>	<u>Samp & Spike Found</u>	<u>% Recovery</u>	<u>Control Limit</u>
2	Zinc	0.025	0.050	0.065	80.	58-124
2	Chromium	1.3	0.10	*	*	*
2	Copper	0.53	0.05	0.57	80.	66-122
2	Nickel	1.15	0.10	1.30	150.	67-123

parentheses () indicate absolute, rather than relative, error.

* too low to read.



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AKC-0015811